# Mountain Weather Forecast

## Yorkshire Dales National Park

Forecast valid from 00:00 on Wednesday 23 Dec 2020 until 23:59 on Thursday 24 Dec 2020

Forecast Issued on Tuesday 22 Dec 2020 at 11:45

**Confidence:** Medium for Wednesday due to uncertainty in northward extent of precipitation over the United Kingdom. High for settling down Thursday and for Christmas Day, but lower confidence for how quickly rain and cloud spreads from west on 25th.

**Headline for Wednesday 23 Dec 2020:** Murky and wet in morning, with some heavy rain, but snow above 550m Becoming windier in afternoon with rain and snow becoming patchy after dark, then clearing in the evening.

**Mountain weather hazards on Wednesday 23 Dec 2020**

| | | |
|---|---|---|
| **Blizzards**<br>Medium Likelihood | **Heavy Snow**<br>High Likelihood | **Storm force winds**<br>No Likelihood |
| **Gales**<br>Medium Likelihood | **Severe chill effect**<br>Medium Likelihood | **Poor visibility**<br>High Likelihood |
| **Thunderstorms**<br>No Likelihood | **Heavy persistent rain**<br>High Likelihood | **Strong sunlight**<br>No Likelihood |

| **Weather and chance of precipitation at 600m** | | | | | | | |
|---|---|---|---|---|---|---|---|
| Time | | | | | | | |
| 00:00 | 03:00 | 06:00 | 09:00 | 12:00 | 15:00 | 18:00 | 21:00 |
| | | | | | | | |
| Light snow | Light snow | Light snow | Heavy snow | Heavy snow | Light snow | Light snow | Light snow |
| Precipitation probability | | | | | | | |
| 40% | 60% | 60% | 80% | 90% | 80% | 70% | 50 |

**Forecast for Wednesday 23 Dec 2020**

**Weather:** Cloudy with light and patchy rain overnight, but falling as snow above 550m. Rain turning heavier and more prolonged in the morning, with some heavy snow falling above 550m and blizzard conditions at times. Rain and summit snow will turn patchy after dark and gradually clear in the evening with some clear spells towards midnight but also the risk of a wintry shower

**Chance of cloud free mountain/hill tops above 600m:** Almost nil with extensive cloud down to low levels, though chance improving to between 50 and 70% in evening as clouds lift and begin to break up.

**Visibility:** Moderate or poor, but often very poor at height in cloud and especially in snow late, with perhaps blizzard conditions. Becoming mostly good through the evening

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# Mountain Weather Forecast

**Forecast for Wednesday 23 Dec 2020**

| Height (m) | Wind Speed mean/gusts (mph) | | | | | Wind Direction (blowing from) | | | |
|---|---|---|---|---|---|---|---|---|---|
| | 00:00 | 03:00 | 06:00 | 09:00 | 12:00 | 15:00 | 18:00 | 21:00 | 00:00 |
| **600** | 5/10 NE | 8/16 NE | 14/23 NE | 17/26 NE | 21/30 NE | 24/35 NE | 23/35 NE | 23/35 NE | 20/31 N |
| **300** | 4/9 NE | 6/16 NE | 10/23 NE | 12/26 NE | 15/30 NE | 15/32 NE | 16/34 NE | 17/35 N | 15/32 N |
| **Valley** | 4/9 E | 6/13 NE | 10/23 NE | 12/27 NE | 14/29 NE | 14/31 NE | 12/29 NE | 13/29 N | 12/27 N |

| Height (m) | Temperature / Feels Like (°C) | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | 00:00 | 03:00 | 06:00 | 09:00 | 12:00 | 15:00 | 18:00 | 21:00 | 00:00 |
| **600** | 2/-1 | 1/-3 | 0/-5 | 0/-6 | 0/-6 | 0/-6 | 1/-6 | 0/-7 | -1/-7 |
| **300** | 2/0 | 3/-0 | 2/-2 | 3/-2 | 3/-2 | 3/-2 | 3/-2 | 3/-3 | 2/-4 |
| **Valley** | 4/2 | 4/2 | 4/0 | 4/0 | 4/-0 | 4/0 | 5/1 | 4/0 | 3/-2 |
| **Freezing Level*** | 700m | 700m | 700m | 700m | 700m | 700m | 800m | 600m | 500m |

**Level above which ground is expected to be frozen/snow is expected to settle.*

**Meteorologist's View**

A generally poor day for being out on the hills, with heavy rain and hill top snow and lots of low cloud and hill fog and a severe chill over the tops with blizzard conditions.at times.

**Recent rainfall:** measured at Malham: altitude 375m

| Recorded at | Last 24 hours: | Last 48 hours: | Last 72 hours: |
|---|---|---|---|
| 15:00 on Tue 22 Dec 2020 | 2.6mm | 5mm | 12.8mm |

**Forecast for Thursday 24 Dec 2020**

**Weather:** Some clear spells overnight but also a few wintry showers, but most of the day will be dry with variable, probably small amounts of cloud and a good deal of sunshine, but feeling very cold with a severe chill on the tops.

**Maximum wind:** Northerly 25-30 gust 40mph, perhaps 35 gust 50mph over the exposed tops

**Chance of cloud free mountain/hill tops above 600m:** 50-70% overnight, with occasional cloud down to 500m, but 90% or more through the day with little cloud on the hills.

**Visibility:** Mostly very good, but some reductions in showers.

**Temperature:** **Valleys:** Plus 1 rising to plus 4 C by day, but minus 1 C in sheltered dales in morning
**At 600m:** Minus 1 C falling to minus 5 or minus 6 C
**Freezing level:** 550m falling to 3000m

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